



CITY OF SUGAR LAND

Engineering Department

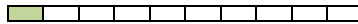
CIP Project Number: SWPE01

Title: Water Plant Upgrades for Surface Water Conversion

Project Phase: PER

% of Phase Completion

PER



Cost for this Phase: \$ 250,000

Funding Sources: Revenue Bonds

Project Manager: Jessie Li

Contractor: TBD

Consultant: MALCOM PIRNIE

Project Description: Two existing water plants were identified needing upgrades for conversion to surface water. PER for Computational Fluid Dynamic Modeling (CFD) of the GSTs to evaluate if any inlet and/or outlet modification or mixing is required. Includes installation of a 1.5 MGD GST at Lakeview plant and upsizing of booster pumps. The PER will evaluate adding ammonia feed systems at the five existing groundwater treatment plants.

Justification: The City must convert 30% of water usage from groundwater to surface water by 2013. In order to distribute the treated surface water, the existing groundwater plants will need to be upgraded. To minimize the groundwater and surface water blending issue, ammonia feed system will be installed to convert the groundwater disinfectant from free chlorine to chloramines.

Updates:

October 2009- Malcolm Pirnie was selected to be the consultant for the project through a RFQ process. Three firms were short listed for interviews and the selection committee consisting of staff in Engineering Dept. and Utilities Dept. recommended Malcolm Pirnie. Scope of Work and fee schedule is currently under development.

November 2009- scope and fee negotiations meeting held with Malcolm Pirnie on 11/30/09 for PER phase. Engineering contract expected for City Council approval in January 2010.

December 2009- Follow up scope and fee negotiations meeting held with Malcolm Pirnie on 12/17/09 for PER phase. Fees were reduced below the budget. City council contract approved of the contract is scheduled on 1/19/10.

January 2010- City Council approved the PER contract with Malcolm Pirnie on 1/19/10. Received the executed contract on 1/29/10. A NTP was delivered to Malcolm Pirnie on 2/1/10.